

Work Order ID 56794

March 10, 2010 11:53:34 AM

Page 1

Item ID: D206-558-041

Accept

Setup Start

Revision ID:

Stop

Item Name: Single Cargo Mirror Assembly

Start Date: 3/10/10 Start Qty: 1.00

Required Date: 3/12/10 Req'd Qty: 1.00

Cust Item ID:

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

IIN D206-558

Rev C

100

0.00



DC

Document Control

DOCUMENT CONTROL

Memo

0.00

Photocopy bluefile and type labels as per PPP D206-558-041 CHG008

5/10/16

PB →
JL BG 10/03/16

110

0.00



Small Fab

Small Fab

Small Fab

Memo

0.00

Assemble as per Dwg D206-558

9/10/03/10 (2)

120

0.00



QC

Quality Control

QC5- Inspect part completeness to step on W/O

Memo

0.00

5/10/11

(42)

Pickit

10-3-11 SP

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		Fix or ADD Routin #'s please					S 10/03/12

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 56794

Page 2

March 10, 2010 11:53:34 AM

Item ID: D206-558-041

Accept



Setup Start



Revision ID:

Stop



Item Name: Single Cargo Mirror Assembly

Start Date: 3/10/10 Start Qty: 1.00



Cust Item ID:

Required Date: 3/12/10 Req'd Qty: 1.00



Customer:

Reference:

Run Start



Approvals:

Process Plan:

Date:

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

QC4- 100% Inspect kits for completeness

0.00

8/10/03/16



QC

Memo

0.00

(2)

Quality Control

140

Packaging

0.00



Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D206-558-041

Location:

PPP Rev:

Pa 10/3/16 (2)

150

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/03/17
mf
10-3-16

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 10, 2010 11:53:10 AM

Page 1

Work Order ID: 56794

Parent Item: D206-558-041

Parent Item Name: Single Cargo Mirror Assembly

Start Date: 3/10/10

Required Date: 3/12/10

Comments: IPP F102.09.1911 Re-format; Incorporated D206511KJ
IPP Rev:G 08-05-14 now @ chg006/ add D3778-1 per ECN1171 DD
verified:ec
IPP Rev:H 08-08-19 now @ chg 007 DD verified by:ec

Start Qty: 1.00

Required Qty: 1.00



Purchased

No

Each

1,920.000 4.0000

Bolt

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST350

1920

104214

393

104291

300

104322

200

104374

200

104625

300

104817

527

10326-1032R9

Purchased

No

Each

123.0000 4.0000



Screw

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST328

123

101189

6

110584

5

111758

12

113928

100

AN960JD10

Purchased

No

Each

0.0000 4.0000



Washer

QST1017

NAS114900363J

M113288



10-3-1150

8

10-3-1150

8

EP 10/03/10

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 10, 2010 11:53:11 AM

Page 2

Work Order ID: 56794



Parent Item: D206-558-041



Parent Item Name: Single Cargo Mirror Assembly

Start Date: 3/10/10

Required Date: 3/12/10

Comments: IPP F02.09.19: Re-format; Incorporated D20651.KJ
IPP Rev:G 08-05-14 now @ chg006/ add D3778-1 per ECN1171 DD
verified:ec
IPP Rev:H 08-08-19 now @ chg 007 DD verified by:ec

Start Qty: 1.00

Required Qty: 1.00

AN9601D10L 1x6

Purchased

No

Each

3,085.000 6.0000



8
72 Washer



10-3-11 SP

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST348

3085

101291

16

105793

49

110985

3020

D2011-101 1x1

Manufactured

No

Each

3.0000

1.0000



6" Mirror



12
EP 10/03/10

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

3

53992

3

D2052 1x2

Manufactured

No

Each

9.0000

2.0000



Mounting Bracket



2
EP 10/03/10

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST005

9

39556

5

47596

4

March 10, 2010 11:53:11 AM

Shop Packet Print

Page 2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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Picklist Print

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Work Order ID: 56794

Parent Item: D206-558-041

Parent Item Name: Single Cargo Mirror Assembly

Comments: IPP F102.09.19 Re-format; Incorporated D2065 KJ
 IPP Rev:G 08-05-14 now @ chg006/ add D3778-1 per ECN1171 DD
 verified:ec
 IPP Rev:H 08-08-19 now @ chg 007 DD verified by:ec

Start Date: 3/10/10

Required Date: 3/12/10

Start Qty: 1.00

Required Qty: 1.00

D2053

 Mounting Bracket

Manufactured No

Each 15.0000 1.0000



10-3-11 SP

Warehouse Loc Qty Loc Code
Location

Main Warehouse


ST005

15

47595

15

2

D2054

 Bushing

Manufactured No

Each 27.0000 2.0000



EP 10/03/10

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST005

27

53179

7

56291

20

3
1

D2055

 Clamp

Manufactured No

Each 15.0000 1.0000



EP 10/03/10

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST005

15

55726

15

2

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Shop Packet Print

Page 3

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 10, 2010 11:53:11 AM

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Work Order ID: 56794

Parent Item: D206-558-041

Parent Item Name: Single Cargo Mirror Assembly

Comments: IPP F102.09.19: Re-format; Incorporated D206511KJ
 IPP Rev:G 08-05-14 now @ chg006/ add D3778-1 per ECN1171 DD
 verified:ec
 IPP Rev:H 08-08-19 now @ chg 007 DD verified by:ec

Start Date: 3/10/10

Required Date: 3/12/10

Start Qty: 1.00

Required Qty: 1.00

D2056 41



Bell Crank

Manufactured No

Each 10.0000 1.0000



EP 10/03/10

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST006

10

55598

4

56302

6

2

D2057 41



Plug

Manufactured No

Each 57.0000 1.0000



EP 10/03/10

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST006

57

34366

42

40048

15

2

D2065 41



Arm

Manufactured No

Each 6.0000 1.0000



EP 10/03/10

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

6

41524

6

2

March 10, 2010 11:53:11 AM

Shop Packet Print

Page 4

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Page 5

Work Order ID: 56794

Parent Item: D206-558-041

Parent Item Name: Single Cargo Mirror Assembly

Start Date: 3/10/10

Required Date: 3/12/10

Comments: IPP F1.02.09.1911 Re-format; Incorporated D206511 KJ
IPP Rev:G 08-05-14 now @ chg006/ add D3778-1 per ECN1171 DD
verified:ec
IPP Rev:H 08-08-19 now @ chg 007 DD verified by:ec

Start Qty: 1.00

Required Qty: 1.00

S 12
D2067
Connector

Manufactured No Each 28.0000 1.0000



10-3-11 sl

Warehouse
Location

Main Warehouse

ST6

28

54698

28

Manufactured No

Each 3.0000 1.0000



2
10-3-11 sl

S 1
D2071
Cable Assembly

Warehouse
Location

Main Warehouse

ST222

3

54777

3

Manufactured No

Each 29.0000 1.0000



2
10-3-11 sl (24)

S 2
D3778-1
Bracket

Warehouse
Location

Main Warehouse

ST

5

45576

5

Main Warehouse

ST277

24

56316

24

3

March 10, 2010 11:53:11 AM

Shop Packet Print

Page 5

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 10, 2010 11:53:12 AM

Page 6

Work Order ID: 56794



Parent Item: D206-558-041



Parent Item Name: Single Cargo Mirror Assembly

Start Date: 3/10/10

Required Date: 3/12/10

Comments: IPP F1102.09.19 Re-format; Incorporated D206511KJ
 IPP Rev:G 08-05-14 now @ chg006/ add D3778-1 per ECN1171 DD
 verified:ec
 IPP Rev:H 08-08-19 now @ chg 007 DD verified by:ec

Start Qty: 1.00

Required Qty: 1.00

MS21042L3 *tb*

Purchased

No

Each

2,353.000

2.0000



Nut



8/310/03/10

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST300

2353

110844

35

111274

27

111668

58

112314

285

112385

228

113523

20

113537

700

113644

1000

4

MS21042L3 *tb*

Purchased

No

Each

2,353.000

1.0000



Nut



10:3 11:50

2x

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST300

2353

110844

35

111274

27

111668

58

112314

285

112385

228

113523

20

113537

700

113644

1000

2

March 10, 2010 11:53:12 AM

Shop Packet Print

Page 6

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 10, 2010 11:53:13 AM

Page 7

Work Order ID: 56794

Parent Item: D206-558-041

Parent Item Name: Single Cargo Mirror Assembly

Start Date: 3/10/10

Required Date: 3/12/10

Comments: IPP F102.09.19 Re-format; Incorporated D20651KJ
IPP Rev:G 08-05-14 now @ chg006/ add D3778-1 per ECN1171 DD
verified:ec
IPP Rev:H 08-08-19 now @ chg 007 DD verified by:ec

Start Qty: 1.00

Required Qty: 1.00

MS21919-DG5

+2

Purchased

No

Each

13.0000

2.0000



Clamp

10-3-1150

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST307

13

110916

13

MS27039-1-18

+2

Purchased

No

Each

112.0000

2.0000



Screw

4

EP 10/03/10

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

112

110916

12

113845

100

MS35489-9

+1

Purchased

No

Each

100.0000

1.0000



Grommet

4

10-3-1150

2x

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

100

107376

20

109371

80

2

March 10, 2010 11:53:13 AM

Shop Packet Print

Page 7

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

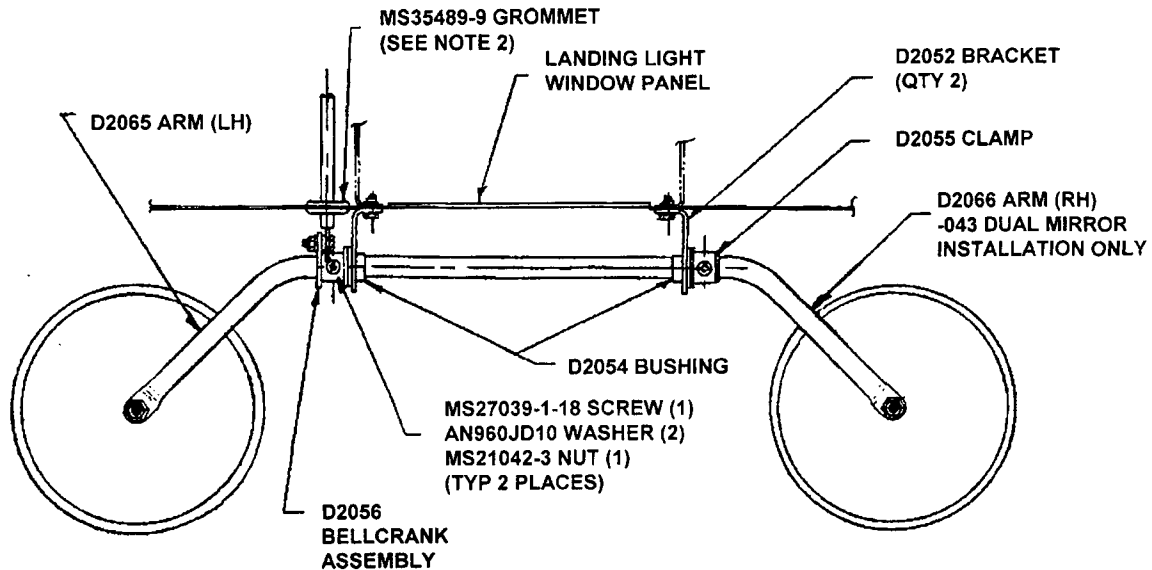


Figure 25.2 - View A: Looking Aft.
(D206-558-043 Mirror Shown)

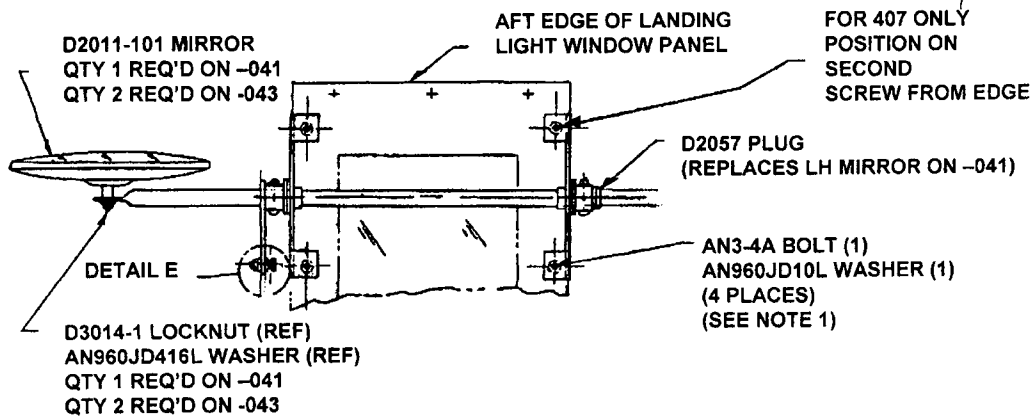


Figure 25.3 - View C: Looking Down on Mirror Installation
(D206-558-041 Mirror Shown)

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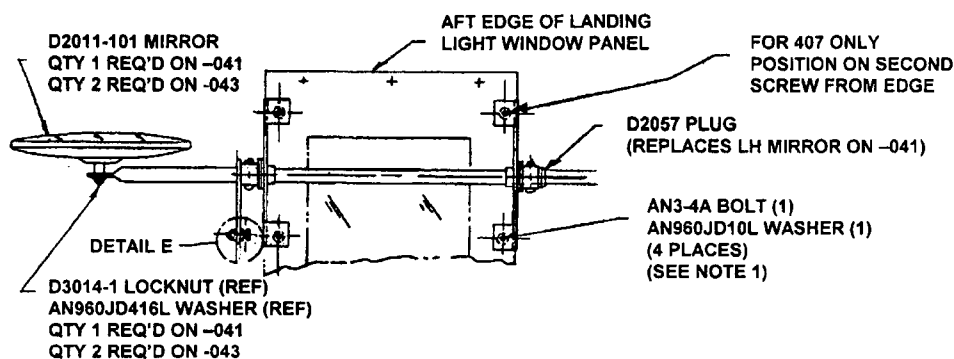


Figure 3: - View C: Looking Down on Mirror Installation
(D206-558-041 Mirror Shown)

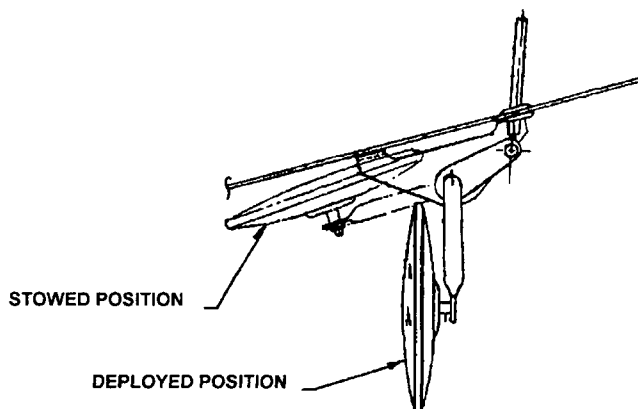


Figure 4: - Detail D: Looking from Side on Mirror Installation
(D206-558-041/-043 Mirror Shown)

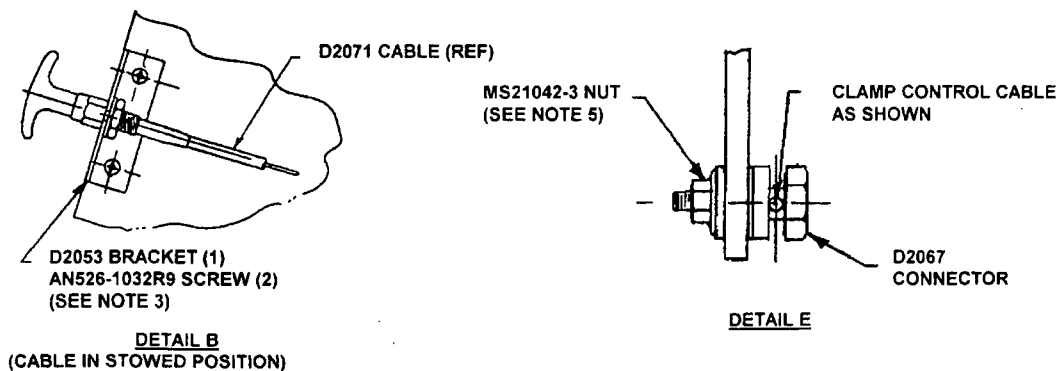


Figure 5: - Details B and E on Mirror Installation
(D206-558-041/-043 Mirror Shown)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

FROM THIS POINT FORWARD, CUSTOMERS SHOULD ORDER D407-558-045/-047 IN LIEU OF D206-558-041/-043 WHEN PROCURING SINGLE/DUAL MIRRORS FOR BHT 407 MODELS. AMEND SECTIONS 4.0 AND 5.0 OF INSTALLATION INSTRUCTIONS D206-558 REV. C OR EARLIER AND 25.3 AND 25.4 OF ICA-D206-558 REV. 0 AS FOLLOWS:

4.0 WEIGHT AND BALANCE (D206-558 REV. C OR EARLIER)

25.3 WEIGHT AND BALANCE (ICA-D206-558 REV. 0)

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D206-558-041	2.4 lb	+5.0 in	+12.0 in-lb	+14.8 in	+35.5 in-lb
Bell 206A/B/L/L1/L3/L4	1.09 Kg	+0.13 m	+0.14 m-Kg	+0.38 m	+0.41 m-Kg
D206-558-043	3.0 lb	0.0 in	0.0 in-lb	+14.8 in	+44.4 in-lb
Bell 206A/B/L/L1/L3/L4	1.36 Kg	0.0 m	0.0 m-Kg	+0.38 m	+0.52 m-Kg
D407-558-045	2.4 lb	+5.0 in	+12.0 in-lb	+14.8 in	+35.5 in-lb
Bell 407	1.09 Kg	+0.13 m	+0.14 m-Kg	+0.38 m	+0.41 m-Kg
D407-558-047	3.0 lb	0.0 in	0.0 in-lb	+14.8 in	+44.4 in-lb
Bell 407	1.36 Kg	0.0 m	0.0 m-Kg	+0.38 m	+0.52 m-Kg

5.0 PARTS LIST (D206-558 REV. C OR EARLIER)

25.4 PARTS LIST (ICA-D206-558 REV. 0)

Qty -041-	Qty -043	Qty -045	Qty -047	Part Number	Description
X				D206-558-041	SINGLE CARGO MIRROR ASSEMBLY
	X			D206-558-043	DUAL CARGO MIRROR ASSEMBLY
		X		D407-558-045	SINGLE CARGO MIRROR ASSEMBLY
			X	D407-558-047	DUAL CARGO MIRROR ASSEMBLY
1	2	1	2	D2011-101	MIRROR ASSEMBLY
2	2	2	2	D2052	BRACKET
1	1	1	1	D2053	BRACKET
2	2	2	2	D2054	BUSHING
1	1	1	1	D2055	CLAMP
1	1	1	1	D2056	BELLCRANK ASSEMBLY
1		1		D2057	PLUG
1		1		D2063	ARM
	1		1	D2066	ARM
1	1	1	1	D2067	CONNECTOR
1	1			D2071	CABLE ASSEMBLY
		1	1	D2071-3	CABLE ASSEMBLY
1	2	1	2	D3014-1	* LOCKNUT
1	1	1	1	D3778-1	BRACKET
4	4	4	4	AN3-4A	BOLT
4	4	4	4	AN526-1032R9	SGREW
1	2	1	2	AN960JD416L	* WASHER
4	4	4	4	AN960JD10	WASHER
6	6	6	6	AN960JD10L	WASHER
3	3	3	3	MS21042-3	NUT (or MS21042L3)
2	2	2	2	MS21919DG5	CLAMP
2	2	2	2	MS27039-1-18	SCREW
1	1			MS35489-9	GROMMET
		1	1	MS35489-67	GROMMET

* INCLUDED AS PART OF D2011-101 MIRROR ASSEMBLY

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 08.12.04

CERT. NO.: SH92-17

ISSUE NO.: 7

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. A
MFG. APPR.	<i>[Signature]</i>	DSI 9436	SHEET 2 OF 2
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	CABLE CHANGE	NTS
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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